## For More Information about the State 802.11 Wireless Network

- Nancy McConnell, Product Manager, 801-538-3019

- Product web page:

http://its.utah.gov/productsservices/wirelessnetwork/wirelessdata/productfeatures.htm

## Learn About UWIN—Utah Wireless Integrated Network

UWIN is a collaboration of intergovernmental agencies working together to leverage resources.

UWIN's mission is to plan for and foster coordination and integration among wireless networks on a statewide basis to meet the requirements of local, state, and federal public safety and other state agencies.

For more information about UWIN, contact: Doug Chandler, UWIN Technical Steering Committee Co-Chairperson.

www.uwin.utah.gov

Division of Information Technology Services
6000 State Office Building
Salt Lake City, Utah 84114
Phone: 801-538-3833
www.its.utah.gov

ITS Customer Support
801-538-3440
800-678-3440 (Toll Free)
its.utah.gov/services/support/helpdesk.htm

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Information Technology Services

Brochure: January 2005

# 802.11 Wireless Network

Technology for a New Day
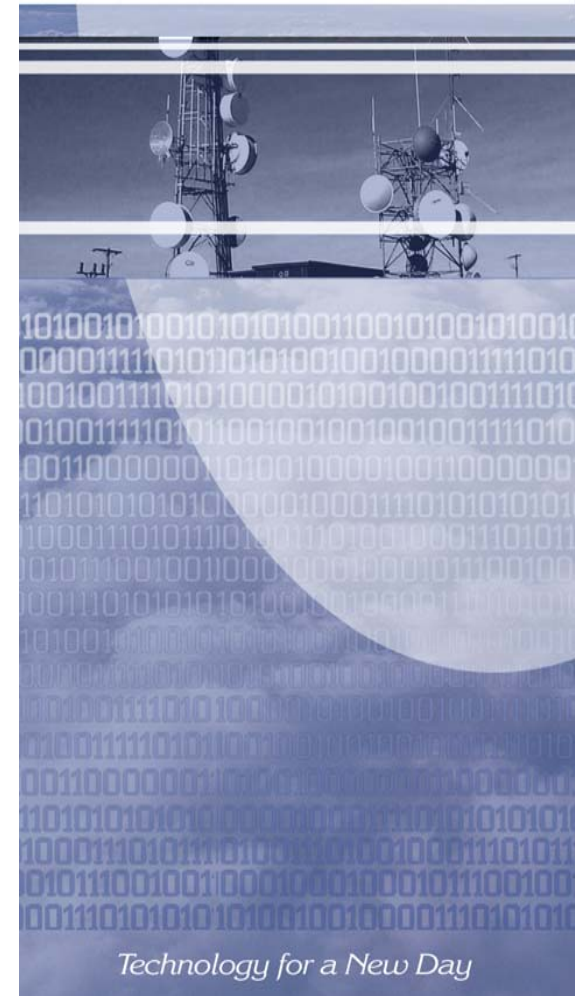
## 802.11 Wireless Network

ITS provides 802.11b wireless connection to the State Wide Area Network (WAN) for authorized users. 802.11g and 802.11a can be provided on request. Wireless coverage is provided in locations at the request of individual agencies.

The 802.11 Wireless Network is a service for state employees and employees of local governments and organizations who travel among state facilities, and who work in meeting rooms and other common areas within their home agency locations.

Authorized users can access the 802.11 Wireless Network at any of the access locations throughout the state. Ongoing access to the 802.11 Wireless Network is provided via the State Wide Area Network (WAN). There is no additional monthly access charge for State WAN customers.

Agency customers may have ITS install and manage 802.11 Wireless Network access points at their locations. Agencies may also install and register 802.11 Wireless Network access points at their locations configured as part of the interoperable State 802.11 Wireless Network. ITS provides installation and configuration instructions.

The 802.11 Wireless Network architecture and configuration provide for interoperability among state employees at state facilities. The State 802.11 Wireless Network architecture also protects State IT resources via 802.1x compliant authenticated, authorized access.

## Why Should You Consider Using the State 802.11 Wireless Network?

**Employee productivity.** An 802.11 Wireless Network can improve employee productivity by providing access to business information and applications when away from 'home' work areas.

**Mobility & Interoperability.** The State 802.11 Wireless Network enables authorized users to travel throughout the state and access the network wherever it is installed.

**Security features.** The State 802.11 Wireless Network employs a high level of user authentication, security and encryption to protect access to your organization's IT and business resources.

**Minimize security risks.** 802.11 wireless networks are inherently insecure by broadcasting data on unlicensed frequencies. WEP, a common method used to protect 802.11-transmitted data, is vulnerable to eavesdropping and traffic attacks.

**Industry standards.** The State 802.11 Wireless Network is designed in compliance with WPA and 802.1x industry standards.

**Network infrastructure.** The State 802.11 Wireless Network is built on the private fault-tolerant State Wide Area Network.

**Network management.** ITS network and wireless professionals provide worry-free installation, and on-going management and optimization of the system.

## Other Benefits

- Enterprise-class solution providing for interoperable use throughout the state.
- Published list of State 802.11 Wireless Network access locations throughout the state.
- System architecture based on industry standards and PEAP-TTLS (Protected Extensible Authentication Protocol - Tunneled Transport Layer Security).
- Management of authentication, authorization and accounting of State 802.11 Wireless Network users—to protect the integrity of state IT resources.
- Client software (EAP Supplicant) as a common interface between all State Wireless LAN Access Points and users' laptops, tablets and PDAs.
- Remote network management for the everyday monitoring and operating of the wireless network—facilitating deployment, updates, security, network availability and reduced operating expenses.
- 7x24 Customer Support.